

AMENDMENT TO THE ABSTRACT

The following abstract will replace all prior versions of the abstract in the application:

~~Disclosed is a~~A rotor blade for a wind power station, ~~comprising~~includes a profiled member that is provided with a relative thickness which decreases towards the outside from a root to a tip of the blade. ~~Said~~ The profiled member has a leading edge and a trailing edge as well as a suction side and a pressure side while generating a negative pressure relative to the pressure side on the suction side when being flown against by moved air, ~~said~~the negative pressure resulting in buoyancy. The suction side of the rotor blade encompasses a device for optimizing the flow around the profiled member. ~~The inventive rotor blade is characterized by the fact that said device is provided with at least one planar element that extends substantially in the direction of flow, protrudes from the suction side, and is arranged in the zone of a transversal flow which runs from the root to the tip of the blade on the suction side of the profiled member. The height and length of the planar element are selected such that the element causes said transversal flow to be effectively reduced.~~